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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/510,082

11/28/2007

Ian Saunders

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EXAMINER

WILSON, LEE D

ART UNIT

PAPER NUMBER

3727

MAIL DATE

DELIVERY MODE

11/29/2010

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/510,082	<b>Applicant(s)</b> SAUNDERS, IAN	
	<b>Examiner</b> LEE D. WILSON	<b>Art Unit</b> 3727	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)                        | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Specification*

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, **such as "means"** and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

2. The abstract of the disclosure is objected to because the abstract needs to be on a separate sheet of paper and the term means needs to be removed. Correction is required. See MPEP § 608.01(b).

### ***Claim Rejections - 35 USC § 112***

3. Claims 1-19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

- a. How does the device support a workpiece and what is the drive system of the device. The device is not explained with regard to how each component works with respect to the other component. The claims try to provide an

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environment in which the device works but not how the device works without the environment.

b. If someone were to buy the device and take it out of the package how does it work. For example a computer monitor works with a computer and transit information. Now how does it work. It show video images which because it has a video card, power source, sound, volume, display controls, a tube for lighting, and screen to project images. Even it is not used with a computer everyone knows what the monitor does.

### ***Claim Objections***

4. Claims 6-11, 13, and 18-19 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim 6. See MPEP § 608.01(n). Accordingly, the claims 6-11, 13, and 18-19 not been further treated on the merits.

### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-6, 12, and 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Few et al (5975497).

c. Few et al discloses the claimed invention see the element numbers below.

1. Transfer stage for moving an object in a vacuum chamber in at least a plane of movement, comprising at least a first (40) and a second rod (40) each

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having a first and a second end, the first and second rod being connected one to the other with their first ends by means of a first hinge(30), the second end of the first rod being connected to first drive means (80) for moving said second end, the second end of the second rod being connected to second drive means for moving said second end and the first hinge being connected to attachment means for the object.

2. Transfer stage according to claim 1, the first and second drive means being adapted for moving the second ends of the first and second rod, respectively, along a common path. (shown in fig.1 plus it is just the standard operation)

3. Transfer stage according to claim 1, the first and second drive means being adapted for moving the second ends of the first and second rod, respectively, along a line. (shown in fig.1 plus it is just the standard operation)

4. Transfer stage according to claim 2 or 3, the first and second drive means being adapted for moving the two ends of the first and second rod, respectively, along one common line. (shown in fig.1 plus it is just the standard operation)

5. Transfer stage according to claim 4, the first and second drive means being adapted for moving the second ends of the first and second rod, respectively, along one common straight line. (shown in fig.1 plus it is just the standard operation)

12. Transfer stage according to claim 1, further comprising a third (20)and fourth rod (20), the first, second, third and fourth rod being connected hinging

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one to the other in the shape of a parallelogram and the first and second drive means being adapted for adjustable change of the shape or the position of the parallelogram. (fig.1)

14. Transfer stage for moving an object in a vacuum chamber in at least a plane of movement, comprising at least four rods (20&40), connected with their ends and forming a parallelogram (fig.1), two opposite first and second vertices of the parallelogram being connected to drive means for moving said vertices along one line and the remaining two opposite third and fourth vertices being provided with means for retaining at least one object.

15. Transfer stage for moving at least one object in a vacuum chamber, comprising

-

four elements (20&40) connected one to the other by means of hinges (30&62), the hinges defining a parallelogram and being situated in one plane;

-

at least one drive means (80), adapted for moving two opposite hinges with respect to each other along the connection line between both hinges, and for moving two opposite hinges jointly;

-

connection means for connecting an object to a hinge.

16. Transfer stage according to claim 15, a drive means being adapted for both moving two hinges with respect to each other and moving two hinges jointly. (see fig.1)

17. Transfer stage according to claim 16, a drive means (80) being adapted for moving two opposite hinges (62) both with respect to each other and jointly.

### ***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The 892 form discloses prior art of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEE D. WILSON whose telephone number is 571-272-4499. The examiner can normally be reached on M-TH.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MONICA CARTER can be reached on 571-272-4475. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/LEE D WILSON/  
Primary Examiner, Art Unit 3727  
November 22, 2010